Ministry of
Natural
Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

GDIF 258

LOUISE TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury

LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-0843/

NTS Number 41 I/6

Mining Claim Map Number M.998

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Louise Township,District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 258; Compiled by the Staff of the Resident Geologist's Office, Sudbury, 16p. and 2 maps.

Original Compilation by: Charette, Michael, February 5, 1985

Date	Page Revised	Revised by

Date	Page Revised	Revised by

LOUISE TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map 1 map

Exploration Data Map 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1 759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g t	0.029 166 6	ounce (troy) ton (short)	1 ounce (troy) ton (short)	34.285 714 2	g t
1 g t	0.583 333 33	pennyweights ton (short)	1 pennyweight ton (short)	1.714 285 7	g t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy) ton (short)	20.0	pennyweights ton (short)
1 pennyweight ton (short)	0.05	ounce (troy) ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	M.C.
2	Assessment Files Research Office, Toronto	N.A.	M.C.
3	ODM General Index; 7 volumes	Yes	M.C.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	M.C.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	M.C.
6	ODM Industrial Mineral Reports	No	M.C.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	M.C.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	M.C.
9	Newspaper Clippings File	No	M.C.
10	GSC Index to Publications	Yes	M.C.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	M.C.
12	OGS Index Maps	Yes	M.C.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	Yes	M.C.
14	Author - Subject Articles File	Yes	M.C.
15	Miscellaneous Papers: ODM & OGS	Yes	M.C.
16	ODM Geological Circulars: OGS Study Series, Reports	Yes	M.C.
17	ODM Preliminary Reports: ODM Bulletins	No	M.C.
18	ODM – OGS Open File Reports	Yes	M.C.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	M.C.
20	OGS Aggregate Resources Inventory Papers	No	M.C.
21	OGS Mineral Potential Maps	Yes	M.C.
22	Theses on File, Sudbury	Yes	M.C.
23	Aerial Photographs on File, Sudbury	Yes	M.C.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- ▲ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- △ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- △ gn. . . . . .Galena
- △ gt. . . . . .Garnet
- △ goe . . . . . .Goethite
- △ Au . . . . . Gold
- △ gf. . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . .Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- △ mag . . . . . .Magnetite
- △ mc . . . . . .Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . .Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . .Millerite
- △ mo . . . . . .Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- ▲ po . . . . . .Pyrrhotite
- △ q . . . . . .Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . .Silica
- △ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod. . . . . Sodalite
- △ spec . . . . . .Specularite
- △ sp. . . . . .Sphalerite
- △ spd. . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st. . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . .Zinc
- △ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Louise Tp., Lot 8, Con.3	po,cp		MRC12, p.279	GR124, p.59, O.D.M. MP22, p.42
B	Louise Tp. Showing, Lot 12, Con. 3 and 4	py,po,cp			GR124, p.59
C	Piispanen, V. Occurrence Lot 12, Con.6	po			GR124, p.59

GDIF FORM NO. 1

LOUISE TOWNSHIP 4

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Rio Canadian Exploration Ltd.	56						56				56	56			56				

GDIF FORM NO. 2

LOUISE TOWNSHIP

DRILL HOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drill Hole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Length of Overburden	Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO.

LOUISE TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

GOIF FORM NO. 7

LOUISE TOWNSHIP

ODM GENERAL INDEX SEARCH

Words searched:

BRUCE FORMATION
ESPANOLA FORMATION
HOUGH LAKE
HOYLE MINING
LOUISE TOWNSHIP
MISSISSAGI FORMATION
PANACHE LAKE
PENAGE LAKE
PIISPANEN OCCURRENCE
QUARTZ
QUIRKE LAKE
WHITEFISH

Index Volume	Listing:	Report Volume	Part	Page
8	BRUCE FORMATION			
	Louise-Eden area, Sudbury Dist.	GR124		13
3	BRUCE SERIES			
	North Shore of Lake Huron	38	7	6
	Lorne Tp., sketch map	38	7	38
8	ESPANOLA FORMATION			
	analysis, modal			
	Louise-Eden area, Sudbury Dist.	GR124		13
	lithology			
	Louise-Eden area, Sudbury Dist.	GR124		12-14
3	ESPANOLA FORMATION			
	North Shore of Lake Huron	38	7	6
8	HOYLE MINING CO. LTD.			
	Louise-Eden area, Sudbury Dist.	GR124		57
8	HOUGH LAKE GROUP			
	analysis, modal			
	Louise-Eden area, Sudbury Dist.	GR124		7
	lithology			
	Louise-Eden area, Sudbury Dist.	GR124		6-11
8	LOUISE TP., Sudbury Dist.			
	Geology of the Louise-Eden area	GR124		
9	LOUISE TP., Sudbury Dist.			
	Geology of the Sudbury-Espanola area	S 016		
	Geology of the Sudbury Manitoulin area	GR166		
8	LOUISE-EDEN AREA, Sudbury Dist.			
	copper	GR124		56
	Geology of the area			
	Report, map 2299 and chart on, 1975 by K. D. Card, P. A. Palonen and K. M. Siemiatkowska	GR124		
	gold	GR124		56,57
	nickel/copper	GR124		58,59
	niobium/sphalerite	GR124		58
	sulphides	GR124		57-59
	Summary of field work, 1968 by K. D. Card	MP22		40-42
	Summary of field work, 1969 by P. Palonen	MP32		36-37
	Summary of field work, 1970 by K. D. Card and P. Palonen	MP43		65-67

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	MISSISSAGI FORMATION			
	Louise-Eden area, Sudbury Dist.			
	analyses, chem.	GR124		36-38
	analyses, paleocurrent	GR124		16-18
	analyses, trace elements	GR124		37
	gold	GR124		55-57
1	PENAGE LAKE, N. of L. Huron, Sud. Dist.			
	copper	R.C.		24
	Description	23	(1)	220
	Rocks on and near	23	(1)	219-221, 233
8	PIISPANEN, V. OCCURRENCE			
	Louise and Lorne Tps., Sud. Dist.			
	mining property report on	GR124		59
8	QUARTZ			
	quarry	MP22		41
	Louise-Eden area, Sudbury Dist.			
	QUIRKE LAKE GROUP			
	lithology	GR124		12-14
	Louise-Eden area, Sudbury Dist.			
1	WHITEFISH LAKE, Indian Reserve, S. of			
	Graham Tp.			
	Nickel found near (1856)	12		235
2	WHITEFISH INDIAN RESERVE, Sud.			
	Iron claims, exploratory work	I.O.		208
9	WHITEFISH INDIAN RESERVE No.6, Sud. Dist.			
	Geology of the Sudbury-Manitoulin area	GR166		

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D.	1978	Sudbury-Manitoulin	O.G.S. Map 2360	1"=2 miles
Card, K. D. and Lumbers, S. B.	1974,75	Sudbury-Cobalt	O.G.S. Map 2361	1"=4 miles
Thomson, J. E.	1961,68	Espanola Sheet	O.D.M. Map P.105	1"=2 miles
		GEOPHYSICAL MAPS		
		Aeromagnetic Maps		
Ayers, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W., and Card, K. D.	1971	O.G.S. Aeromagnetic Compilation Map, East Central Sheet	OFR5328	1"=16 miles
G.S.C.-O.D.M.	1965 1965	Sudbury, Ontario Copper Cliff, Ontario	Map 7067G Map 1517G	1"=4 miles
Gupta, V. K.	1981	Bouguer Gravity and Generalized Geological Map of the Sudbury-Onaping Lake Area	OGS Map P.2482	1:100,000
O.G.S.	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey. Geophysical Series.	Map P.1610	1:250,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Dep't of Energy, Surveys and Mapping Branch	1975	Topographic Map, Copper Cliff	41 I/6	1:50,000
Gartner, J. F.	1978	N.O.E.G.T. Study 99, Espanola Map	5002	1:100,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Springer, J.	1977	Ontario Mineral Potential, Northern Part of Sudbury Sheet and Part of North Bay Sheet	O.G.S. Map P.1512	1:250,000
Springer, J. S., Robertson, J. A. and Vos, M. A.	1981	Mineral Potential of Ontario East Central Sheet	OFR5328	1"=16 miles
		GEOLOGICAL REPORTS AND MAPS		
Card, K. D.	1971	Panache Lake Area (East Part)	Map P.669	1"=1 mile
	1975	Geology of Panache Lake Area, Districts of Sudbury and Manitoulin	O.D.M. OFR5123	
	1978	Geology of the Sudbury-Manitoulin Area, Districts of Sudbury and Manitoulin	GR166 O.G.S. Map P.2360	1"=2 miles
Card, K. D., Palonen, P. and Fox, J.	1968	Louise Township and North Part of Dieppe Township	O.D.M. Map P.498	1"=¼ mile
Card, K. D., Innes, D. G. and Debicki, R. L.	1974	Stratigraphy, Sedimentology, Huronian Supergroup of Sudbury-Espanola Area	OFR5107	
Card, K. D., Palonen, P. A., Siemiatkowska, K. M.	1975	Geology of the Louise-Eden Area, District of Sudbury	GR124 O.D.M. Map 2299	1"=¼ mile
Lumbers, S. B., Milne, V. G., and Ayers, L. D.	1976	Ontario Geological Map, East Central Sheet	O.G.S. Map 2393	1"=16 miles

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
O.G.S.	1981	Ontario Geological Map	O.F.R.5328 Map 2391	1"=16 miles
Palonen, P. Mills,D.H.	1969	Whitefish Lake Indian Reserve No.6 Louise-Eden Area	O.D.M. Map P.597	1"=¼ mile
Quirke, T. T., Collins, W. H.	1930	The Disappearance of the Huronian	G.S.C. Memoir 160 Map 220A	1"=1 mile
Shklanka, R.	1969	Copper, Nickel, Lead and Zinc Deposits of Ontario	MRC12	p.279
Vos, M. A., Smith, B. A. and Stevenato, R. J.	1981	Industrial Minerals of the Sudbury Area	OFR5329	
		JOURNALS, ARTICLES, THESES, TECHNICAL REPORTS		
Card, K. D.	1978	Metamorphism of the Middle Precambrian (Aphebian) Rocks of The Eastern Southern Province	G.S.C. 78-10	p.269-282
Casshyap, S. M.	1966	Sedimentary Petrology and Stratigraphy of the Huronian Rocks South of Espanola, Ont. Ph.D., Western	Sud. Theses File, No.2	
Collins, W. H.	1925	North Shore of Lake Huron	G.S.C. Mrmoir 143	160p.
Cooke, H. C.	1946	Problems of Sudbury Geology	G.S.C. Bull.No.3	
Eade, K. E.	1950	The Huronian Rocks of Northwestern Ontario. M.Sc., McG.	MP2	p.17
Ginn, R. M.	1960	The Relationship of the Bruce Series to the Granites in the Espanola Area. Ph.D., UT.	Sud. Theses File, No.13	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Long, D. G. F.	1978	Depositional Environments of a Thick Proterozoic Sandstone; the (Huronian) Missisagi Formation of Ontario	Can. J. Earth Sci., Vol.15	pp.190-206
Lindsey, D. A.	1967	The Sedimentology of the Huronian Gowganda Formation, (With Special Reference to Whitefish Falls Area). Ph.D., Johns Hopkins	Sudbury Theses File, No.16	
McLennan, S. M., Fryer, B. J., and Young, G. M.	1979	The Geo-Chemistry of the Carbonate-Rich Espanola Formation (Huronian) with Emphasis on Rare Earth Elements	Can. J. Earth Sci., Vol.16	pp.230-239
Palonen, P. A.	1971	Stratigraphy and Deformational Environment of the Mississagi Fm., Ont. M.Sc. Geology	Sudbury Theses File No.18	
Pearson, W. N.	1980	Copper Metallogeny, North Shore Region of Lake Huron, Ontario	Sudbury Theses File	
Quirke, T. T.	1915	Goelogy of Espanola District, Ontario Ph.D., UC.	MP2	p.38
Siemiatkowska, K. M.	1970	Bibliography on Huronian Geology Covering The Region from Sault Ste. Marie to The Grenville Front	Sudbury Theses	
Young, G. M.	1973	Origin of the Carbonate-Rich Early Proterozoic Espanola Formation, Ontario	G.S.A. Bull., Vol.84	pp.135-160

GDIF FORM NO.9

NOTES AND ADDENDA

Index of Aerial Photographs

Scale 1"=¼ mile

Year	Roll	Line	Numbers
1946	19	161	33-40
	200	162	9-15
	17	163	30-38
	15	164	33-41
	14	165	9-16
1959	12	4614	155-159
	45	4613	56-60
	59	4612	112-114

Ministry of Natural Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 258

(Map **1** of **2**)

LOUISE TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

Ministry of Natural Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 258

(Map **1** of **2**)

LOUISE TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 258

(Map 1 of 2)

LOUISE TOWNSH

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5

Kilometre 0.5 0 0.5 1 Kilometre

EXPLORATION DATA FILE AREAS

Reference number is always inside work area o
See listing in text pages.

Small area of exploration.

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 258

(Map 1 of 2)

LOUISE TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

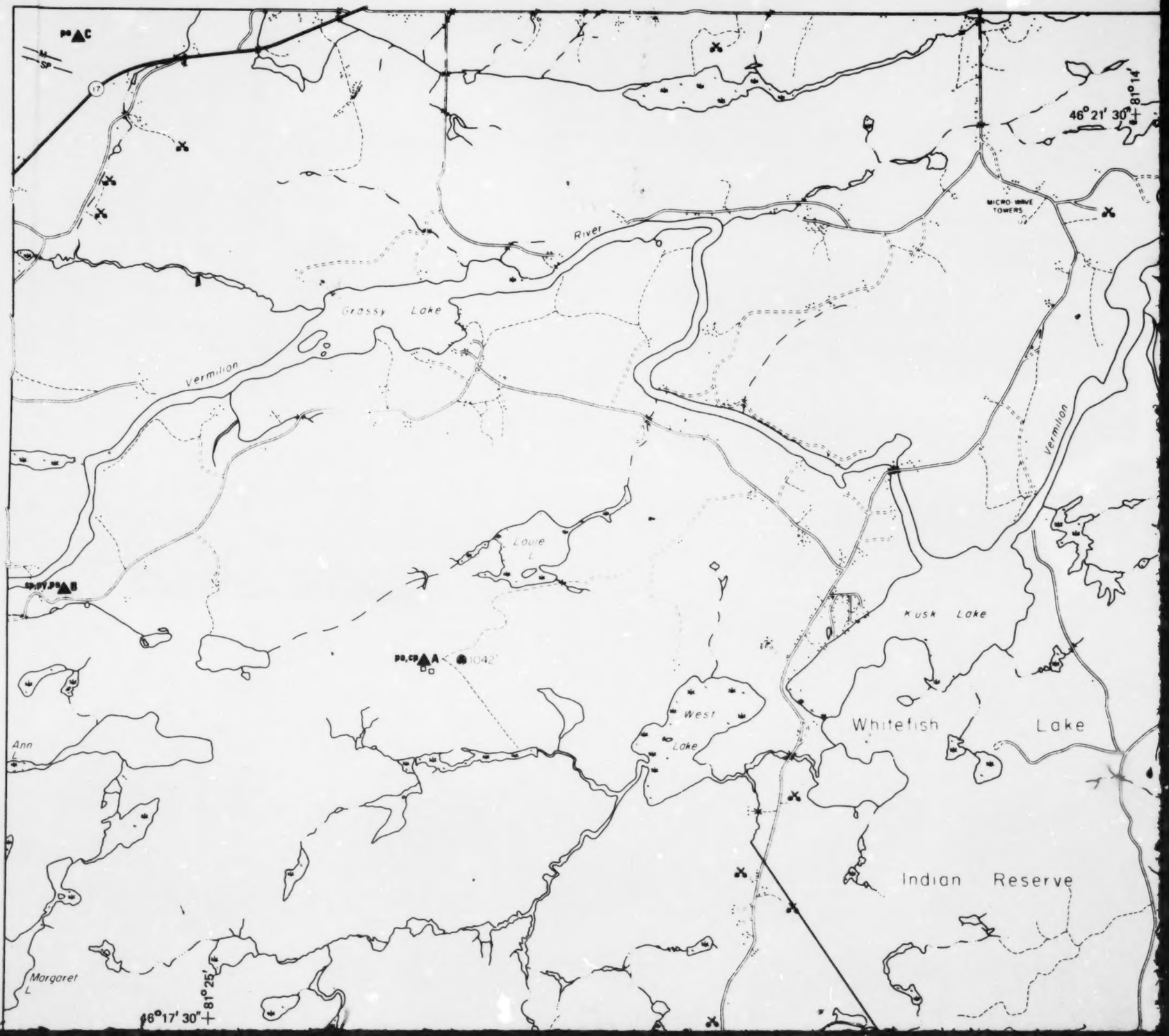
- ☐ Geochemical sample site, with reference number
- ☐ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number
- ☐ —GC— Geochemical Anomaly

GEOPHYSICAL ANOMALIES

- ☐ —AM— Airborne Magnetometer Anomaly
- ☐ Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- ☐ —ARA— Airborne Radiometric Anomaly
- ■ —M— Ground Magnetometer Anomaly
- ☐ —VL— Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- ☐ —RA— Ground Radiometric Anomaly
- ☐ —IP— Induced Polarization Anomaly
- ■ —SP— Self Potential Anomaly
- ☐ —AFMAG— Audio-frequency magnetometer anomaly
  (total intensity)
- ☐ —R— Resistivity Anomaly
- ☐ —GR— Gravity Anomaly
- ☐ Radiometric Site

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Rock quarry
- ☐ Adit
- ■ Sand and/or gravel pit



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Ministry of Natural Resources
Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 258

(Map **2** of **2**)

LOUISE TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized Float with reference letter

DRILL HOLES

- ●² — Location of single drill hole, with reference number
- ◉² — Location of closely spaced group of drill holes, with reference number
- ?² — Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with

- ☐ ◆³ Geochemical sample site, with reference number
- ☐ ◆³ Area of geochemical sampling, with reference number
- ☐ ✳² Age dating material sampling site, with reference number
- ☐ —GC— Geochemical Anomaly

GEOPHYSICAL ANOMALIES

- ☐ —AM— Airborne Magnetometer Anomaly
- ☐ Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- ☐ Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- ☐ —ARA— Airborne Radiometric Anomaly
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  (VL - Vertical Loop; HL - Horizontal Loop;
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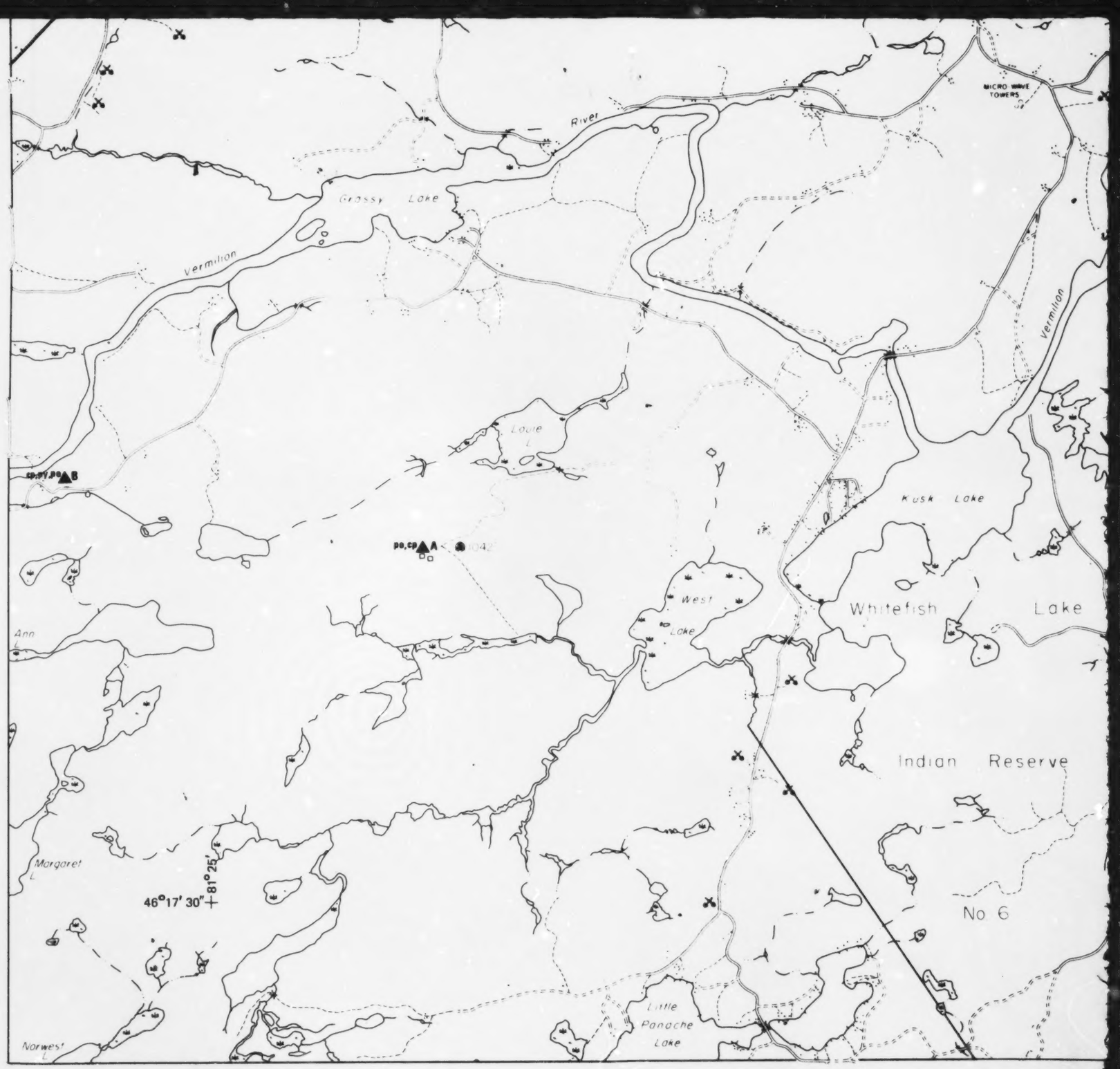
  (total intensity)
- ☐ —R— Resistivity Anomaly
- ☐ —GR— Gravity Anomaly
- ☐ Radiometric Site

MISCELLANEOUS DATA

- ☒ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Multiple Pits
- ☐ Rock quarry
- ☒ Sand and/or gravel pit
- ☒ Geodetic Station

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 258

(Map **2** of **2**)

LOUISE TOWNSHIP

DISTRICT OF SUDBURY

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DRILL HOLES

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- ◉² — Location of closely spaced group of drill holes, with reference number
- (?)² — Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- ○² — Property with drill holes which have not been plotted on map, with reference number
- ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number